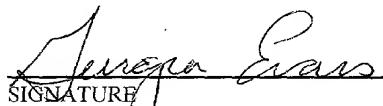
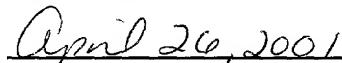


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|---|--|--|--|--|--|
| FORM PTO-1390 (Modified) (REV 11-98) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY'S DOCKET NUMBER 19603/2615 | |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | | U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 09/830502 | |
| INTERNATIONAL APPLICATION NO. PCT/US99/25437 | | INTERNATIONAL FILING DATE 29 October 1999 (29.10.99) | | PRIORITY DATE CLAIMED 30 October 1998 (30.10.98) | |
| TITLE OF INVENTION HIGH FIDELITY THERMOSTABLE LIGASE AND USES THEREOF | | | | | |
| APPLICANT(S) FOR DO/EO/US BARANY, Francis, CAO, Weiguo, and TONG, Jie | | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). 8. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 9. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 10. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). | | | | | |
| Items 13 to 20 below concern document(s) or information included: | | | | | |
| <ol style="list-style-type: none"> 13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input type="checkbox"/> A change of power of attorney and/or address letter. 19. <input checked="" type="checkbox"/> Certificate of Mailing by Express Mail 20. <input checked="" type="checkbox"/> Other items or information: | | | | | |
| *Applicants claim small entity status. | | | | | |

| U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 09/830502 | INTERNATIONAL APPLICATION NO. PCT/US99/25437 | ATTORNEY'S DOCKET NUMBER 19603/2615 | | | | | | | | | | | | | | | | |
|---|--|---|---------------------------|--------------|-----------------|--------------|----------------|---------|---------------------------|--------------------|---------|---|---------------------------|--|--|--------------------------|---------------|--|
| 21. The following fees are submitted: | | CALCULATIONS PTO USE ONLY | | | | | | | | | | | | | | | | |
| BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) : | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1,000.00 <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$860.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$710.00 <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$690.00 <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 | | | | | | | | | | | | | | | | | | |
| ENTER APPROPRIATE BASIC FEE AMOUNT = | | \$860.00 | | | | | | | | | | | | | | | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)). | | <input type="checkbox"/> 20 <input type="checkbox"/> 30 \$0.00 | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">CLAIMS</th> <th style="width: 25%;">NUMBER FILED</th> <th style="width: 25%;">NUMBER EXTRA</th> <th style="width: 25%;">RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>47 - 20 =</td> <td>27</td> <td>x \$18.00 \$486.00</td> </tr> <tr> <td>Independent claims</td> <td>7 - 3 =</td> <td>4</td> <td>x \$80.00 \$320.00</td> </tr> <tr> <td colspan="2">Multiple Dependent Claims (check if applicable).</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">\$0.00</td> </tr> </tbody> </table> | | CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | Total claims | 47 - 20 = | 27 | x \$18.00 \$486.00 | Independent claims | 7 - 3 = | 4 | x \$80.00 \$320.00 | Multiple Dependent Claims (check if applicable). | | <input type="checkbox"/> | \$0.00 | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | | | | | | | | | | | | | | |
| Total claims | 47 - 20 = | 27 | x \$18.00 \$486.00 | | | | | | | | | | | | | | | |
| Independent claims | 7 - 3 = | 4 | x \$80.00 \$320.00 | | | | | | | | | | | | | | | |
| Multiple Dependent Claims (check if applicable). | | <input type="checkbox"/> | \$0.00 | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | \$1,666.00 | | | | | | | | | | | | | | | | |
| Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable). | | <input checked="" type="checkbox"/> \$833.00 | | | | | | | | | | | | | | | | |
| SUBTOTAL = | | \$833.00 | | | | | | | | | | | | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)). | | <input type="checkbox"/> 20 <input type="checkbox"/> 30 + \$0.00 | | | | | | | | | | | | | | | | |
| TOTAL NATIONAL FEE = | | \$833.00 | | | | | | | | | | | | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). | | <input type="checkbox"/> \$0.00 | | | | | | | | | | | | | | | | |
| TOTAL FEES ENCLOSED = | | \$833.00 | | | | | | | | | | | | | | | | |
| | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Amount to be:</td> <td style="width: 50%; text-align: right;">\$</td> </tr> <tr> <td><u>refunded</u></td> <td style="text-align: right;"><u></u></td> </tr> <tr> <td><u>charged</u></td> <td style="text-align: right;"><u></u></td> </tr> </table> | Amount to be: | \$ | <u>refunded</u> | <u></u> | <u>charged</u> | <u></u> | | | | | | | | | | |
| Amount to be: | \$ | | | | | | | | | | | | | | | | | |
| <u>refunded</u> | <u></u> | | | | | | | | | | | | | | | | | |
| <u>charged</u> | <u></u> | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> A check in the amount of \$833.00 to cover the above fees is enclosed. <input type="checkbox"/> Please charge my Deposit Account No. 14-1138 in the amount of to cover the above fees. A duplicate copy of this sheet is enclosed. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 14-1138 A duplicate copy of this sheet is enclosed. | | | | | | | | | | | | | | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. | | | | | | | | | | | | | | | | | | |
| SEND ALL CORRESPONDENCE TO: GOLDMAN, Michael L. Nixon Peabody LLP Clinton Square, P. O. Box 31051 Rochester, New York 14603 United States of America | | | | | | | | | | | | | | | | | | |
|  SIGNATURE Georgia Evans NAME 44,597 REGISTRATION NUMBER  DATE | | | | | | | | | | | | | | | | | | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE *H3*

Applicants : Barany et al.

Serial No. : 09/830,502

Filed : October 29, 1999

For : HIGH FIDELITY THERMOSTABLE LIGASE AND USES THEREOF

TRANSMITTAL LETTER

Commissioner For Patents

Washington, D.C. 20231

Box: PCT

Dear Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371, which was mailed by the United States Patent and Trademark Office on **July 24, 2001**, enclosed are:

- A Request for One-Month Extension of Time.
- Three Combined Declaration and Power of Attorney forms.
- A copy of the Notification of Missing Requirements Under 35 U.S.C. 371.
- A self-addressed, prepaid postcard for acknowledging receipt.
- Fees as calculated below:

| | |
|-------------------------------------|---------|
| FEE FOR ONE-MONTH EXTENSION OF TIME | \$55.00 |
| SURCHARGE 37 CFR 1.16(e) | \$ |
| ADDITIONAL FEES | \$ |
| TOTAL FEES SUBMITTED HEREWITH | \$55.00 |

- A check in the amount of **\$55.00** to cover the above fees.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 14-1138. A duplicate copy of this sheet is enclosed.

Date: October 4, 2001


Michael L. Goldman
Registration No. 30,727

Nixon Peabody LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603
Telephone: (716) 263-1304
Facsimile: (716) 263-1600

| Certificate of Mailing - 37 CFR 1.8(a) | |
|--|--------------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date below. | |
| 10/4/01 | Michael L. Goldman |
| Date | Wendy L. Harrold |